Aim

To create a Python program that draws line charts of Alphabet Inc.'s financial data from October 3, 2016 to October 7, 2016.
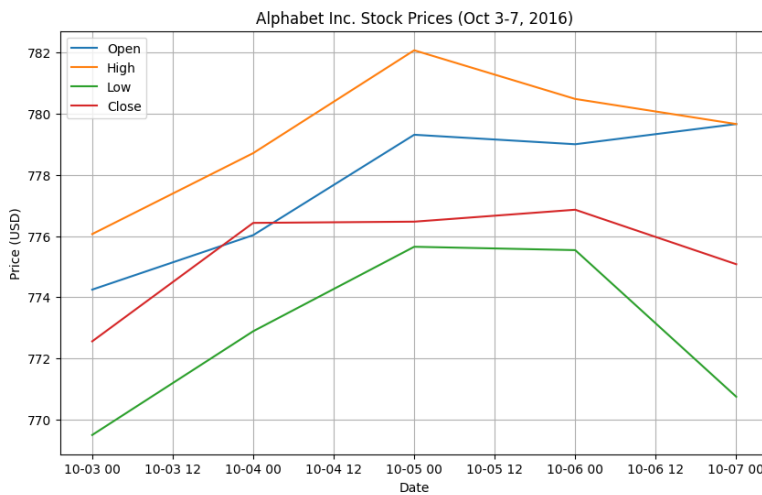
Algorithm

1. Import required libraries (pandas, matplotlib)
2. Read the CSV file containing financial data
3. Convert the 'Date' column to datetime
4. Set the 'Date' column as the index
5. Create a line plot using matplotlib
6. Set the title, labels, and legend
7. Display the plot

Code

```python
import pandas as pd
import matplotlib.pyplot as plt

data = pd.read_csv('fdata.csv')
data['Date'] = pd.to_datetime(data['Date'])
data.set_index('Date', inplace=True)
plt.figure(figsize=(10, 6))
plt.plot(data.index, data['Open'], label='Open')
plt.plot(data.index, data['High'], label='High')
plt.plot(data.index, data['Low'], label='Low')
plt.plot(data.index, data['Close'], label='Close')
plt.title('Alphabet Inc. Stock Prices (Oct 3-7, 2016)')
plt.xlabel('Date')
plt.ylabel('Price (USD)')
plt.legend()
plt.grid(True)
plt.show()
```

Output

Alphabet Inc. Stock Prices (Oct 3-7, 2016)

Result

The program successfully generates a line chart visualizing Alphabet Inc.'s stock price trends over the specified five-day period in October 2016.